

## Title (en)

RECEIVER UNIT FOR A LASER SCANNER DEVICE, LASER SCANNER DEVICE, VEHICLE AND METHOD FOR CAPTURING LIGHT

## Title (de)

EMPFANGSEINHEIT FÜR EINE LASERSCANNERVORRICHTUNG, LASERSCANNERVORRICHTUNG, FAHRZEUG UND VERFAHREN ZUR LICHTERFASSUNG

## Title (fr)

UNITÉ RÉCEPTRICE POUR UN DISPOSITIF DE BALAYAGE LASER, DISPOSITIF DE BALAYAGE LASER, VÉHICULE ET PROCÉDÉ DE CAPTURE DE LA LUMIÈRE

## Publication

**EP 3444635 A1 20190220 (EN)**

## Application

**EP 18188123 A 20180809**

## Priority

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## Abstract (en)

The invention relates to a receiver unit (4) for a laser scanner device (2), wherein the receiver unit (4) comprises a first converging lens (7) comprising a first focal plane, and an imager (9), which is capable of capturing light that has passed through the first converging lens (7). The receiver unit (4) comprises a first optical unit (8) positioned between the first converging lens (7) and the imager (9), wherein the first optical unit (8) is configured to project light passing through a certain area of the focal plane onto a certain area of the imager (9) such that the certain area of the imager (9) is smaller than the certain area of the focal plane.

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- [XYI] US 6014232 A 20000111 - CLARKE JOHN A [GB]
- [Y] EP 2910970 A1 20150826 - SICK AG [DE]
- [Y] WO 2017029901 A1 20170223 - SONY SEMICONDUCTOR SOLUTIONS CORP [JP]
- [A] US 2007230944 A1 20071004 - GEORGIEV TODOR G [US]

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